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Substitute for form 1449A/B/PTO				Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)				Application Number	09/396,523 Conf.# 7553
				Filing Date	September 15, 1999
				First Named Inventor	Christine L. O'Day
				Art Unit	1621
				Examiner Name	P. G. O'Sullivan
Sheet	1	of	3	Attorney Docket Number	22116-00005-US3

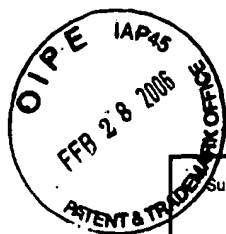
U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
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NON PATENT LITERATURE DOCUMENTS			
Examiner Initials	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
↑ ↓	CA**	Gallop, M.A., et al., "Applications of Combinatorial Technologies to Drug Discovery. Background and Peptide Combinatorial Libraries," J. MED. CHEM., (1994) 37(9): 1233-51.	
	CB**	Ganem, B., "New Chemistry of Naturally Occurring Polyamines," ACC. CHEM. RES., (1982) 15:290-8.	
	CC**	Ganem, B., et al., "Chemistry of Naturally Occurring Polyamines. II. Unsaturated Spermidine and Spermine Derivatives," J. ORG. CHEM., (1987) 52:5044-6.	
	CD**	Ganem, B., et al., "Chemistry of Naturally Occurring Polyamines. 10. Nonmetabolizable Derivatives of Spermine and Spermidine," J. ORG. CHEM., (1986) 51:4856-61.	
	CE**	Goodnow, Jr. R.A., et al., "Oligomer Synthesis and DNA/RNA Recognition Properties of a Novel Oligonucleotide Backbone Analog: Glucopyranosyl Nuclei Amide (GNA)," TETRAHEDRON LETT., (1997) 38(18):3199-3202.	
	CF**	Goodnow, Jr., R.A., et al., "Synthesis of Thymine, Cytosine, Adenine, and Guanine Containing N-Fmoc Protected Amino Acids: Building Blocks for Construction of Novel Oligonucleotide Backbone Analogs," TETRAHEDRON LETT., (1997) 38(18):3195-8.	
	CG**	Gordon, E.M., et al., "Applications of Combinatorial Technologies to Drug Discovery Combinatorial Organic Synthesis, Library Screening Strategies, and Future Directions," J. MED. CHEM., (1994) 37(10): 1385-1401.	
	CH**	Gorus, F., et al., "Applications of Bio- and Chemiluminescence in the Clinical Laboratory," CLIN. CHEM., (1979) 25(4): 512-9.	
	CI**	Han, H./et al., "Liquid-Phase Combinatorial Synthesis," PROC. NATL. ACAD. SCI. USA, (1995) 92:6419-23.	
	CJ**	Hernandez, A.S. et al., "Solid-Supported tert-Alkoxyacylation Reagents for Anchoring of Amines During Solid Phase Organic Synthesis," J. ORG. CHEM., (1997) 62:3153-7.	
	CK**	Huber, M. et al., "2,2'-Dithiobis (N-ethyl-spermine-5-carboxamide) Is a High Affinity, Membrane-Impermeant Antagonist of the Mammalian Polyamine Transport System," J. BIOL. CHEM., (1996) 271(44):27556-63.	
	CL**	Laguzza, B.C., et al., "A New Protecting Group For Amines. Synthesis of Anticapsin from L-Tyrosine," TETRAHED. LETT., (1981) 22(16):1483-6.	

Examiner Signature	<i>P. G. O'Sullivan</i>	Date Considered	<i>Feb 2006</i>
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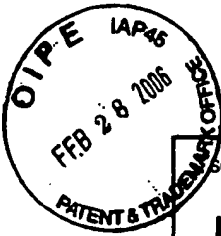
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		First Named Inventor	Christine L. O'Day
		Art Unit	1621
		Examiner Name	P. G. O'Sullivan
		Attorney Docket Number	22116-00005-US3
Sheet	2	of	3

14	CM**	Lakanen, J.R., et al., "α-Methyl Polyamines: Metabolically Stable Spermidine and Spermine Mimics Capable of Supporting Growth in Cells Depleted of Polyamines," J. MED. CHEM., (1992) 35:724-34.	
	CN**	Lee, J., "Facile Preparation of Cyclopropylamines from Carboxamides," J. ORG. CHEM., (1997) 62:1584-5.	
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	CP**	Lloyd-Williams, P., "Convergent Solid-Phase Peptide Synthesis," TETRAHEDRON, (1993) 49(48): 11065-133.	
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	CR**	Muramoto, K., "Preparation and Characterization of Photoactivable Heterobifunctional Fluorescent Reagents," AGRIC. BIOL. CHEM., (1984) 48 (11), 2695-9.	
	CS**	Nakaoka, T., et al., "Inhibition of Rat Vascular Smooth Muscle Proliferation In Vitro and In Vivo by Bone Morphogenetic Protein-2," J. CLIN. INVEST., (1997) 100 (11): 2824-32.	
	CT**	Pfitzer, K.E., et al., "Sulfoxide-Carbodiimide Reactions. I. A Facile Oxidation of Alcohols," J. AM. CHEM. SOC., (1965) 87(24): 5661-9.	
	CU**	Quemener, V., et al., "Polyamine Deprivation: A New Tool in Cancer Treatment," ANTICANCER RES., (1994) 14:443-8.	
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	CW**	Rajeev, K.G., et al., "Conformationally Restrained Chiral Analogues of Spermine: Chemical Synthesis and Improvements in DNA Triplex Stability," J. ORG. CHEM., (1997) 62:5169-73.	
	CX**	Ranganathan, R.S., et al., "Novel Analogs of Nucleoside 3',5'-Cyclic Phosphates. I. 5'-Mono- and Dimethyl Analogs of Adenosine 3', 5'-Cyclic Phosphate," J. ORG. CHEM., (1974) 39(3):290-8.	
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	CZ**	Salemme, F.R., et al., "Serendipity Meets Precision: The Integration of Structure-Based Drug Design and Combinatorial Chemistry for Efficient Drug Discovery," STRUCTURE, (1997) 5(3):319-24.	
	CA1**	Sasaki, Y. et al., "Solid-Phase Synthesis and Biological Properties of Ψ[CH ₂ NH] Pseudopeptide Analogues of a Highly Potent Somatostatin Octapeptide," J. MED. CHEM., (1987) 30(7):1162-6.	
	CB1**	Schallenberg, E.E., et al., "Ethyl Thioltrifluoroacetate As An Acetylating agent with Particular Reference to Peptide Synthesis," J. AM. CHEM. SOC., (1955) 77:2779-83.	
	CC1**	Seiler, N. et al., "Polyamine transport in Mammalian Cells. An Update," INT. J. BIOCHEM. CELL BIOL., (1996) 28(8): 843-61.	
	CD1**	Seiler, N. et al., "Polyamine Transport in Mammalian Cells," INT. J. BIOCHEM., (1990) 22(3):211-8.	
	CE1**	Shyng, S.-L., et al., "Depletion of Interacellular Polyamines Relieves Inward Rectification of Potassium Channels," PROC. NATL. ACAD. SCI. USA, (1996) 93:12014-9.	
	CF1**	Siegel, M.G. et al., "Rapid Purification of Small Molecule Libraries by Ion Exchange Chromatography," TETRAHEDRON LETT., (1997) 38(19): 3357-60.	
	CG1**	Singh, S. et al., "Characterization of Simian Malarial Parasite (Plasmodium knowlesi)-induced Putrescine Transport in Rhesus Monkey Erythrocytes," J. BIOL. CHEM., (1997) 272(21): 13506-11.	
14	CH1**	Thompson, L.A. et al., "Straightforward and General Method for Coupling Alcohols to Solid Supports," TETRAHED. LETT., (1994) 35:9333-6.	

Examiner Signature	P. O'S	Date Considered	Feb 2006
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				Art Unit	1621
				Examiner Name	P. G. O'Sullivan
Sheet	3	of	3	Attorney Docket Number	22116-00005-US3

110	CI1**	Ventura, C. et al., "Polyamine Effects on [Ca2+] 1 Homeostasis and Contractility in Isolated Rat Ventricular Cardiomyocytes," AM. J. PHYSIOL., (1994) 267:H587-H592.	
110	CJ1**	Wang, S.-S., "p-Alkoxybenzyl Alcohol Resin and p-Alkoxybenzyloxycarbonylhydrazide Resin for Solid Phase Synthesis of Protected Peptide Fragments," J. AM. CHEM. SOC., (1973) 95(4): 1128-1333. ✓	

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¹Applicant's unique citation designation number (optional). ²Applicant is to place a check mark here if English language Translation is attached.

Examiner Signature	<i>P. G. O'Sullivan</i>	Date Considered	<i>Feb 2006</i>
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Form PTO-1449

MAIL DATE CANCELLED
AUG 2 9 2000

INFORMATION DISCLOSURE CITATION
IN AN APPLICATION
(Use several sheets if necessary)

Applicant: Nicolas M.J. VERMEULIN et al.

Filing Date September 15, 1999

Group Art Unit (unassigned)

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U.S. PATENT DOCUMENTS

Examiner Initials	Ref. No.	Date	Document No.	Name	Class	Subclass	Filing Date If Appropriate
120	1.	01/05/82	4,309,442	Bey et al.	424	319	
	2.	09/27/88	4,774,339	Haugland et al.	548	405	
	3.	04/04/89	4,818,770	Weinstein et al.	514	564	
	4.	02/16/93	5,187,288	Kang et al.	548	110	
	5.	09/28/93	5,248,782	Haugland et al.	548	110	
	6.	10/12/93	5,252,714	Harris et al.	530	391.9	
	7.	12/28/93	5,274,113	Kang et al.	548	405	
	8.	07/18/95	5,433,896	Kang et al.	252	700	
	9.	09/19/95	5,451,663	Kang et al.	530	367	
120	10.	08/12/97	5,656,671	Bergeron, Jr.	514	674	

FOREIGN PATENT DOCUMENTS

Examiner Initials	Ref. No.	Date	Document No.	Country	Class	Subclass	Translation YES NO
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OTHER DOCUMENTS

(including author, title, Date, Pertinent Pages, Etc.)

Examiner Initials	Ref. No.	Title
120	11.	Albanese, L., et al., "Investigations of the Mechanism by which Mammalian Cell Growth is Inhibited by N,N'-Bis(ethyl)spermine," BIOCHEM. J., (1993) 291:131-7
120	12.	Ask, A., et al., "Increased Survival of L1210 Leukemic Mice by Prevention of the Utilization of Extracellular Polyamines. Studies Using a Polyamine-Uptake Mutant, Antibiotics and a Polyamine-Deficient Diet," CANCER LETT., (1992) 66:29-34
120	13.	Baguley, B.C., "DNA Intercalating Anti-Tumor Agents," ANTI-CANCER DRUG DESIGN, (1991) 6:1-35
120	14.	Balasundaram, D., et al., "Polyamine - DNA Nexus: Structural Ramifications and Biological Implications," MOL. CELL. BIOL., (1991) 100:129-40
120	15.	Bergeron, R. J., et al., "Antiproliferative Properties of Polyamine Analogues: A Structure-Activity Study," J. MED. CHEM., (1994) 37:3464-76
120	16.	Bergeron, R. J., et al., "Reagents for the Stepwise Functionalization of Spermine," J. ORG. CHEM.,

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J. DA

DATE CONSIDERED:

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Docket Number 275102001021

Application Number 09/396,523

INFORMATION DISCLOSURE CITATION
IN AN APPLICATION

Applicant

Nicolaas M.J. VERMEULIN et al.

Filing Date September 15, 1999

Group Art Unit (unassigned)

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OTHER DOCUMENTS

(including author, title, Date, Pertinent Pages, Etc.)

Examiner Initials	Ref. No.	Title
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	19.	Bhaskar Kanth, J. V., et al., "Selective Reduction of Carboxylic Acids into Alcohols Using NaBH ₄ and I ₂ ," J. ORG. CHEM., (1991) 56: 5964-5
	20.	Blagbrough, I. S., et al., "Practical Synthesis of the Putative Polyamine Spider Toxin FTX: a Proposed Blocker of Voltage-Sensitive Calcium Channels," TETRAHEDRON LETT., (1994) 35(13):2057-60
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	22.	Borch, R.F., et al., "The Cyanohydrinborate Anion as a Selective Reducing Agent," J. AM. CHEM. SOC., (1971) 93(12):2897-2904
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	25.	Brown, H. C., et al., "Solvomercuration-Demercuration. I. The Oxymercuration-Demercuration of Representative Olefins in an Aqueous System. A Convenient Mild Procedure for the Markovnikov Hydration of the Carbon-Carbon Double Bond," J. ORG. CHEM., (1970) 35(6):1844-50
	26.	Butler, J.E., et al., "The Physical and Functional Behavior of Capture Antibodies Adsorbed on Polystyrene," J. IMMUNOL. METH., (1992) 150:77-90
	27.	Byk, G., et al., "One Pot Synthesis of Unsymmetrically Functionalized Polyamines by a Solid Phase Strategy Starting from their Symmetrical Polyamine-Counterparts," TETRAHEDRON LETT., (1997) 38(18): 3219-22
	28.	Casero Jr., R. A., et al., "High Specific Induction of Spermidine/Spermine N ^c -Acetyltransferase in a Human Large Cell Lung Carcinoma," BIOCHEM. J., (1990) 270:615-20
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	30.	Chaplinksi, V., et al., "A Versatile New Preparation of Cyclopropylamines from Acid Dialkylamides," ANGEW. CHEM. INT. ED. ENGL., (1996) 35(4):413-4
	31.	Dempcy, R. O., et al., "Design and Synthesis of Ribonucleic Guanidine: A Polycationic Analog of RNA," PROC. NATL. ACAD. SCI. U.S.A., (1996) 93:4326-30
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Group Art Unit (Assigned)

OTHER DOCUMENTS

(including author, title, Date, Periodic Pages, Etc.)

Examiner Initials	Ref. No.	Title
<input checked="" type="checkbox"/>	33.	Douglas, S. P., et al., "Polymer-Supported Solution Synthesis of Oligosaccharides Using a Novel Versatile Linker for the Synthesis of D-Mannopentaose, a Structural Unit of D-Mannans of Pathogenic Yeasts," J. AM. CHEM. SOC., (1995) 117:2116-7
<input checked="" type="checkbox"/>	34.	DRUG RUT., (1991) 16(12):1165
<input checked="" type="checkbox"/>	35.	Felschow, D.M., et al., "Photoaffinity Labeling of a Cell Surface Polyamine Binding Protein," J. BIOL. CHEM., (1995) 270(48):28705-11
<input checked="" type="checkbox"/>	36.	Flemming, S.A., "Chemical Reagents in Photoaffinity Labeling," TETRAHEDRON, (1995) 51(46):12479-520
<input checked="" type="checkbox"/>	37.	Flescher, E., et al., "Increased Polyamines May Downregulate Interleukin 2 Production in Rheumatoid Arthritis," J. CLIN. INVEST., (1989) 83:1356-62
<input checked="" type="checkbox"/>	38.	Furka, A., "General Method for Rapid Synthesis of Multicomponent Peptide Mixtures, INT. J. PEPTIDE PROTEIN RES., (1991) 37:487-93
<input checked="" type="checkbox"/>	39.	Furumitsu, Y., et al., "Levels of Urinary Polyamines in Patients with Rheumatoid Arthritis," J. RHEUMATOLOGY, (1993) 20(10):1661-5
<input checked="" type="checkbox"/>	40.	Gallop, M.A., et al., "Applications of Combinatorial Technologies to Drug Discovery. Background and Peptide Combinatorial Libraries," J. MED. CHEM., (1994) 37(9):1233-51
<input checked="" type="checkbox"/>	41.	Ganem, B., "New Chemistry of Naturally Occurring Polyamines," ACC. CHEM. RES., (1982) 15: 290-8
<input checked="" type="checkbox"/>	42.	Ganem, B., et al., "Chemistry of Naturally Occurring Polyamines. II. Unsaturated Spermidine and Spermine Derivatives," J. ORG. CHEM., (1987) 52:5044-6
<input checked="" type="checkbox"/>	43.	Ganem, B., et al., "Chemistry of Naturally Occurring Polyamines. 10. Nonmetabolizable Derivatives of Spermine and Spermidine," J. ORG. CHEM., (1986) 51:4856-61
<input checked="" type="checkbox"/>	44.	Goodnow Jr., R., et al., "Synthesis of Glutamate Receptor Antagonist Philanthotoxin-433 (PhTX-433) and its Analogs," TETRAHEDRON LETT., (1990) 46(9):3267-86
<input checked="" type="checkbox"/>	45.	Goodnow, Jr., R.A., et al., "Oligomer Synthesis and DNA/RNA Recognition Properties of a Novel Oligonucleotide Backbone Analog: Glucopyranosyl Nuclei Amide (GNA)," TETRAHEDRON LETT., (1997) 38(18):3199-3202
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<input checked="" type="checkbox"/>	47.	Gordon, D.W., et al., "Reductive Alkylation on a Solid Phase: Synthesis of a Piperazinedione Combinatorial Library," BIOORG. MED. CHEM. LETT., (1995) 5(1):47-50
<input checked="" type="checkbox"/>	48.	Gordon, E.M., et al., "Applications of Combinatorial Technologies to Drug Discovery. Combinatorial Organic Synthesis, Library Screening Strategies, and Future Directions," J. MED. CHEM., (1994) 37(10):1385-1401
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PTO/SB/08 (2-92)
Sheet 4 of 7INFORMATION DISCLOSURE CITATION
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Group Art Unit (unassigned)

OTHER DOCUMENTS

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Examiner Initials	Ref. No.	Title
		CHEM., (1979) 25(4):512-9
	50.	Ha, H.C. et al., "The Role of Polyamine Catabolism in Polyamine Analogue -Induced Programmed Cell Death," PROC. NATL. ACAD. SCI., (1997) 94:11557-62
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	52.	Hanauske-Abel, H. M. et al., "Detection of a Sub-Set of Polysomal mRNAs Associated with Modulation of Hypusine Formation at the G1-S Boundary Proposal of a Role for eIF-5A in onset of DNA Replication," FEBS LETT., (1995) 366:92-8
	53.	Hernández, A.S. et al., "Solid-Supported tert-Alkoxy carbonylation Reagents for Anchoring of Amines During Solid Phase Organic Synthesis," J. ORG. CHEM., (1997) 62:3153-7
	54.	Holley, J., et al., "Uptake and Cytotoxicity of Novel Nitroimidazole-Polyamine Conjugates in Ehrlich Ascites Tumour Cells," BIOCHEM. PHARMACOL., (1992) 43(4):763-9
	55.	Holley, J.L., et al., "Targeting of Tumor Cells and DNA by a Chlorambucil-Spermidine Conjugates," CANCER RES., (1992) 52:4190-5
	56.	Huber, M. et al., "2,2'-Dithiobis (N-ethyl-spermine-5-carboxamide) Is a High Affinity, Membrane - Impermeant Antagonist of the Mammalian Polyamine Transport System," J. BIOL. CHEM., (1996) 271(44):27556-63
	57.	Huber, M. et al., "Antiproliferative Effect of Spermine Depletion by N-Cyclohexyl-1,3-diaminopropane in Human Breast Cancer Cells," CANCER RES., (1995) 55:934-43
	58.	Iwanowicz, E.J. et al., "Preparation of N,N'-Bis-tert-Butoxycarbonylthiourea," SYNTHETIC COMM., (1993) 23(10):1443-5
	59.	Janda, K.D. et al., "Combinatorial Chemistry: A Liquid-Phase Approach," METH. ENZYMOL., (1996) 267:234-47
	60.	Jasnis, M.A. et al., "Polyamines Prevent DFMO-Mediated Inhibition of Angiogenesis," CANCER LETT., (1994) 79:39-43
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Form PTO-1449

Docket Number 275102001021

Application Number 09/396,523

INFORMATION DISCLOSURE CITATION
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Applicant

Nicolaas M.J. VERMEULIN et al.

Filing Date September 15, 1999

Group Art Unit (unassigned)

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Sheet 7 of 7

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Form PTO-1449	Docket Number 275102001021	Application Number 09/396,523
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